/ Descriptions

1.0A MBS
1.0A Surface Mount Glass Passivated Bridge Rectifier, MBS package.

/ Features

100V~1000V 1.0A

Glass Passivated Chip Junction, Reverse Voltage:100to1000V, Forward Current:1.0A, High Surge Current Capability, Designed for Surface Mount Application.Halogen free product.

/ Applications

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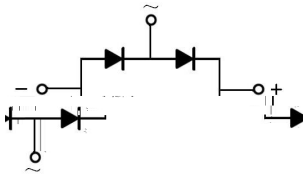
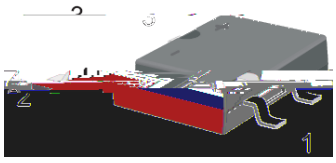
General purpose.

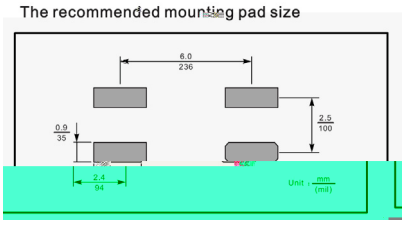
/ Equivalent Circuit



/ Pinning



PIN	DESCRIPTION
1	Input Pin (~)
2	Input Pin (~)
3	Output Anode (+)
4	Output Cathode (-)



/ Marking

See Marking Instructions.

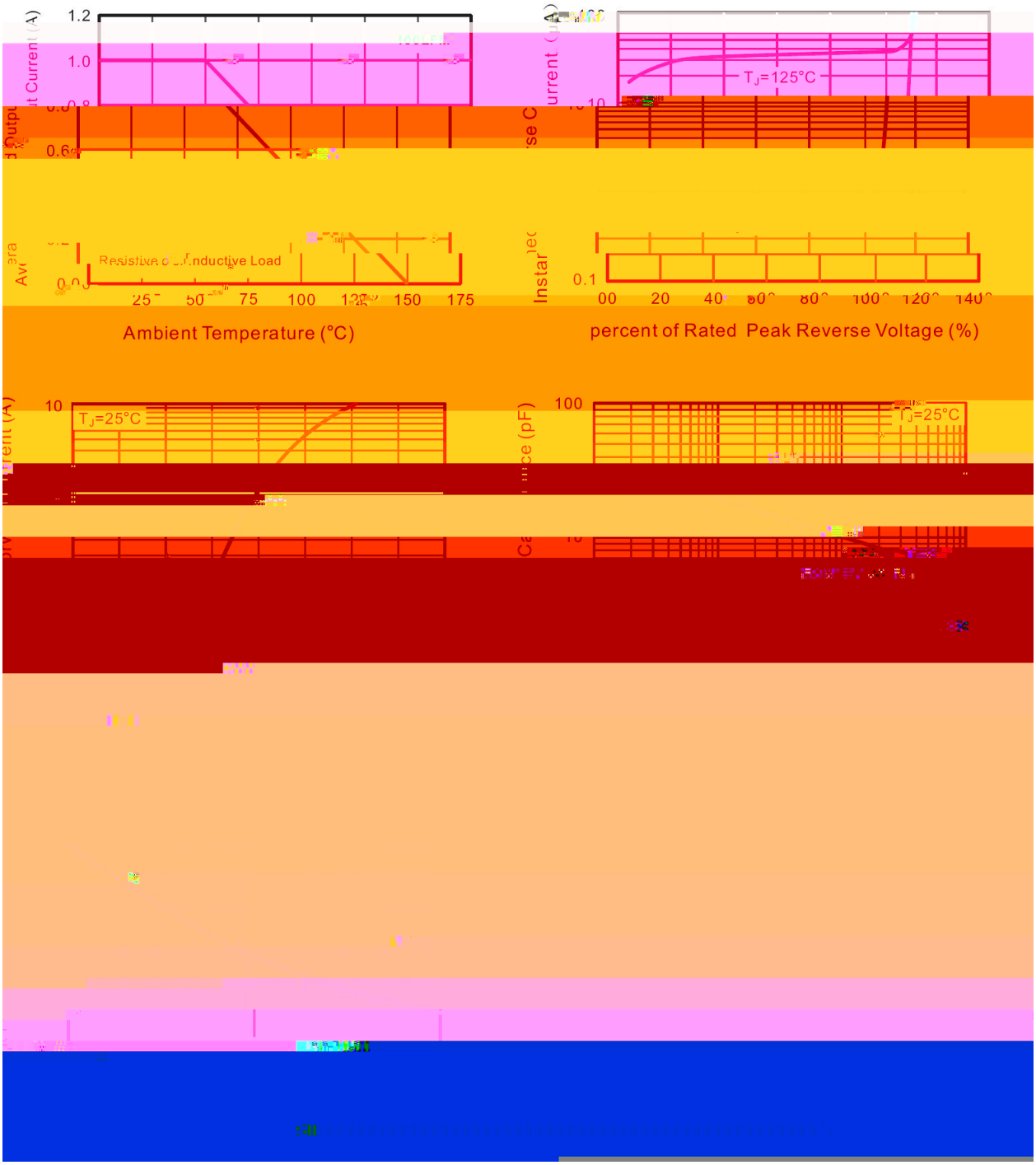
Currentat T_a = 50			
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	35	A
Typical Junction Capacitance Note1	C_j	13	pF
Typical Thermal Resistance Note2	R_{JA}	85	/W
Typical Thermal Resistance Note2	R_{JL}	30	/W
Operating and Storage Temperature Range	T_j,T_{stg}	-55~+150	

Note:

1. Measured at 1MHz and applied reverse voltage of 4 V D.C.
2. Mounted on glass epoxy PC board with 4 (5 5mm^2 copper pad..

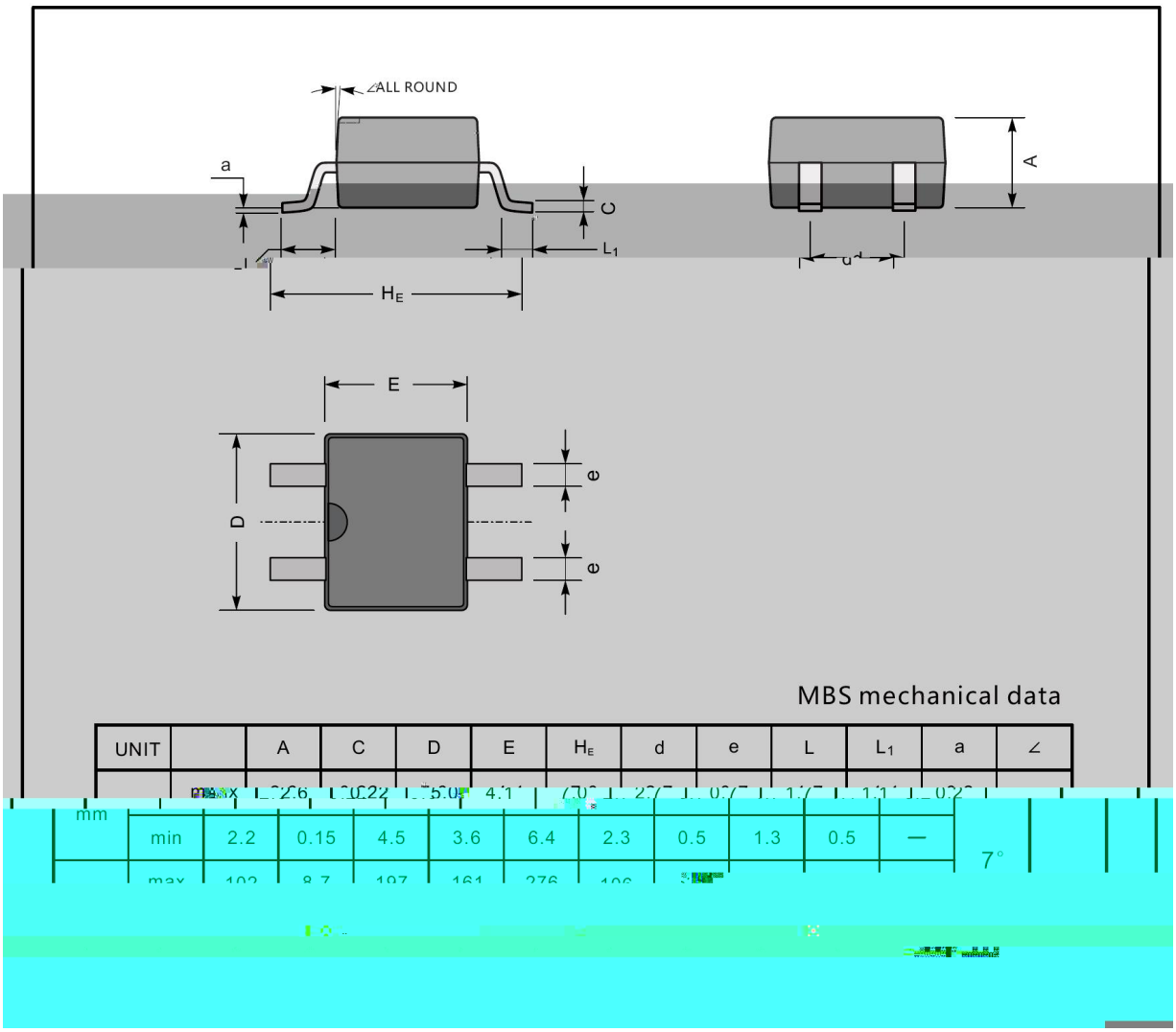
Parameter	Symbol	Test condition	Rating	Unit

/ Electrical Characteristic Curve



/ Package Dimensions

MBS

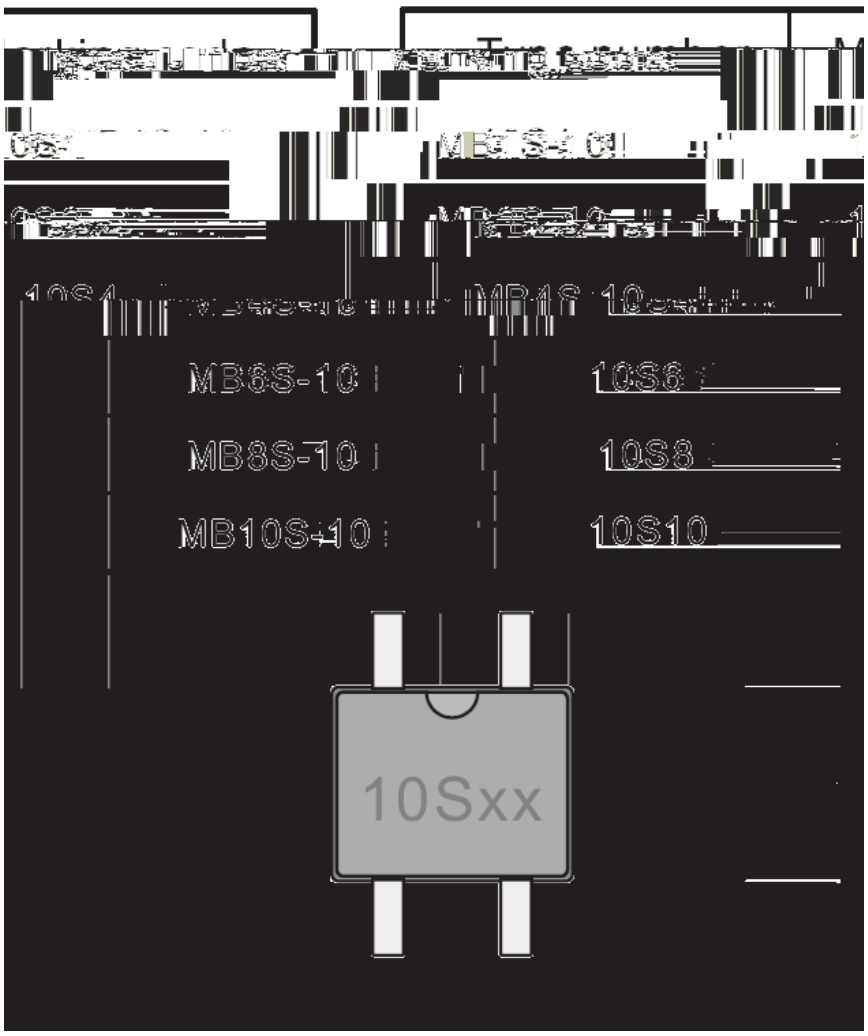


MBS mechanical data

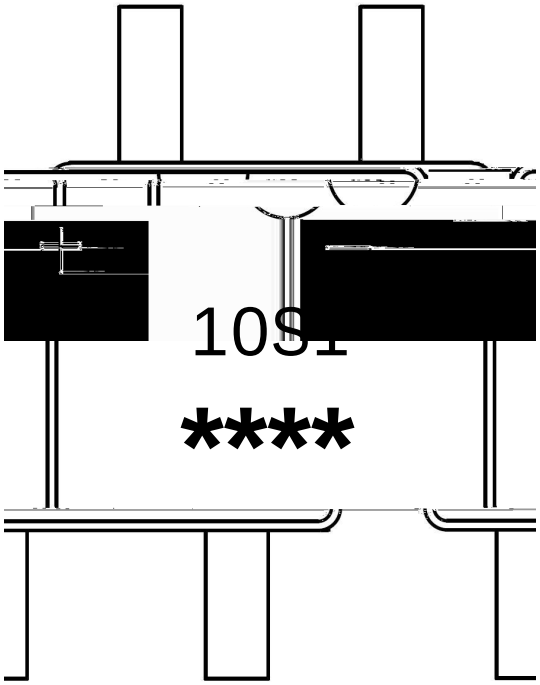
UNIT		A	C	D	E	H_E	d	e	L	L_1	a	∠
mm	max	2.6	0.22	5.0	4.1	7.0	2.7	0.7	1.7	1.1	0.2	
	min	2.2	0.15	4.5	3.6	6.4	2.3	0.5	1.3	0.5	—	7°
	max	10.2	8.7	19.7	16.1	27.6	10.6					

/ Marking Instructions

Marking



/ Marking Instructions



10S1

**** 1 * 3 *

Note:

10S1 Product Type Code

**** Lot No. Code The 1st * means:YM Code The last 3 * means:little Lot No Code